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The Project X Physics Study

Saturday 16 June 2012

Lattice QCD: EDMs - WH2SE Comitium (11:00-12:30)

- Conveners: Van de Water, Ruth; Blum, Thomas

| time | title | presenter |
|-------|--|----------------------|
| 11:00 | EDM of the nucleon and light nuclei in Chiral Effective Theory | MEREGHETTI, Emanuele |
| 11:30 | Neutron EDM from Lattice QCD | SHINTANI, Eigo |
| 12:00 | Neutron Electric Dipole Moment in the Standard Model and beyond from Lattice QCD | BHATTACHARYA, Tanmoy |

Lattice QCD: nucleon decay - WH2SE Comitium (16:00-17:30)

- Conveners: Dr. Van de Water, Ruth; Blum, Tom

| time | title | presenter |
|-------|---|----------------|
| 16:00 | Proton Decay Matrix Elements from Lattice QCD | IZUBUCHI, Taku |
| 16:30 | Probing TeV Physics through Lattice Neutron-Decay Matrix Elements | COHEN, Saul |
| 17:00 | High-precision measurements of g_A and g_V in neutron decay | PLASTER, Brad |

Monday 18 June 2012

Lattice QCD: muon g-2 - WH2SE, Comitium (09:00-10:30)

- Conveners: Dr. Van de Water, Ruth; Blum, Tom

| time | title | presenter |
|-------|--|--------------------|
| 09:00 | Hadronic vacuum polarization contribution to muon g-2 using staggered fermions | AUBIN, Christopher |
| 09:30 | Hadronic vacuum polarization to muon g-2 using twisted-mass fermions | RENNER, Dru |
| 10:00 | Hadronic light-by-light contribution to muon g-2 from Lattice QCD | BLUM, Thomas |

Lattice QCD: pion and kaon physics - WH2SE, Comitium (14:00-15:30)

- Conveners: Dr. Van de Water, Ruth; Blum, Tom

| time | title | presenter |
|-------|--|----------------|
| 14:00 | Status of pion and kaon physics from Lattice QCD | LAIHO, Jack |
| 14:45 | Computing K \rightarrow pi pi decay and the KL-KS mass difference from lattice QCD | CHRIST, Norman |

Tuesday 19 June 2012

Lattice QCD: muon g-2 - WH2SE, Comitium (09:00-10:30)

- Conveners: Van de Water, Ruth; Blum, Thomas

| time | title | presenter |
|-------|---|----------------|
| 09:00 | The anomaly triangle and g-2 | PERIS, Santi |
| 09:30 | Neutral pion to two-photon decays from Lattice QCD | COHEN, Saul |
| 10:00 | New methods for lattice-QCD calculations of the hadronic light-by-light contribution to g-2 | IZUBUCHI, Taku |

Lattice QCD: computing - WH2SE - Comitium (14:00-15:30)

- Conveners: Van de Water, Ruth; Blum, Thomas

| time | title | presenter |
|-------|---|---------------|
| 14:00 | Future computing resources for lattice gauge theory | HOLMGREN, Don |
| 14:30 | Discussion | |